THE OFFICE OF REGULATORY STAFF DIRECT TESTIMONY AND EXHIBITS

OF

WILLIE J. MORGAN



DOCKET NO. 2006-97-WS

Application of Tega Cay Water Service, Inc. for Adjustment of Rates and Charges and Modifications to Certain Terms and Conditions for the Provision of Water and Sewer Service

1		TESTIMONY OF WILLIE J. MORGAN
2		FOR
3		THE OFFICE OF REGULATORY STAFF
4		DOCKET NO. 2006-97-WS
5		IN RE: TEGA CAY WATER SERVICE, INC.
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10	Q.	PLEASE STATE YOUR NAME, BUSINESS ADDRESS AND
11		OCCUPATION.
12	A.	My name is Willie J. Morgan, and my business address is 1441 Main Street, Suite
13		300, Columbia, South Carolina 29201. I am employed by the state of South
14		Carolina, Office of Regulatory Staff ("ORS") as the Program Manager for the
15		Water and Wastewater Department.
16	Q.	PLEASE STATE YOUR EDUCATIONAL BACKGROUND AND
17		EXPERIENCE.
18	A.	I received a Bachelor of Science Degree in Engineering from the University of
19		South Carolina in 1985 and a Master of Arts Degree in Management from
20		Webster University in 2000. I am a licensed Professional Engineer registered in
21		the State of South Carolina. My professional affiliations are as a member of the
22		American Water Works Association ("AWWA"), the South Carolina Section of
23		the American Water Works Association ("SC-AWWA") and the National Society

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of Professional Engineers ("NSPE"). After graduating from the University of
South Carolina, I was employed by the South Carolina Department of Health and
Environmental Control ("DHEC") as an Environmental Engineer Associate.
Later, I was promoted to the position of Permitting Liaison where I assisted
industries and the public with environmental permitting requirements in the state
of South Carolina. This assistance included providing information about air
quality, solid and hazardous waste management, and water and wastewater
management requirements. I was employed by DHEC for nineteen years. On
October 2, 2004, I joined the ORS as the Program Manager for the Water and
Wastewater Department.

11 DO YOU HAVE ANY PUBLICATIONS TO YOUR CREDIT? O.

12 A. Yes.

WHAT ARE THE NAMES OF SOME OF THOSE PUBLICATIONS? 13 Q.

While at DHEC, I published several editions of a document called "A General 14 Α. Guide to Environmental Permitting in South Carolina." This guide is a summary of the various environmental requirements that affect businesses and industries located or operating within the State of South Carolina. Another publication authored includes a document called "Environmental Protection Fees." document is a summary of the fees charged for environmental programs. It includes detailed information about the fee collected by water utilities to implement the Safe Drinking Water Act Regulatory Program, fees collected from wastewater utilities to manage the National Pollution Discharge Elimination

1		System (NPDES) Program, and fees collected for construction activities
2		associated with water and wastewater utilities.
3	Q.	CAN YOU DESCRIBE YOUR RESPONSIBILITIES AS THE PROGRAM
4		MANAGER FOR WATER AND WASTEWATER WITH THE OFFICE OF
5		REGULATORY STAFF?
6	A.	Yes. My responsibilities include performing analysis and providing testimony in
7		formal proceedings before the Public Service Commission of South Carolina
8		regarding rate base determinations, rate schedules, general terms and conditions,
9		cost of service and depreciation studies, and assuring compliance with applicable
10		rules and regulations. In addition, my responsibilities include monitoring federal
11		activity to determine its impact on state regulations and policies.
12	Q.	HAVE YOU COMPLETED ADDITIONAL TRAINING AND/OR
13		EDUCATION SINCE YOUR GRADUATION FROM THE UNIVERSITY
14		OF SOUTH CAROLINA?
15	A.	I have completed courses in preparation for the professional engineering
16		examination as well as various review and continuing professional education
17		courses. The continuing professional education courses include attendance at the
18		2004 Eastern National Association of Regulatory Utility Commissioners
19		("NARUC") Utility Rate School: Basics of Ratesetting, the 2006 SC-AWWA
20		Annual Meeting, and other water and wastewater facility specific courses.
21	Q.	HOW LONG HAVE YOU PROVIDED REGULATORY OVERSIGHT
22		AND ENGINEERING SERVICES TO WATER AND WASTEWATER
23		FACILITIES?

- My experience includes over twenty years of regulatory compliance experience in 1 Α. 2 providing assistance and regulatory oversight for water and wastewater facilities. WHAT IS THE PURPOSE OF YOUR TESTIMONY IN 3 Q. 4 PROCEEDING? The purpose of my testimony is to set forth the ORS staff findings relative to my 5 Α. review of the rate increase application submitted by Tega Cay Water Service, Inc. 6 7 ("Tega Cay"). Specifically, I will focus on Tega Cay's compliance with the Public Service Commission ("Commission") rules and regulations, ORS's audit 8 9 of various Tega Cay water and wastewater facilities, test-year revenue and 10 proposed revenue adjustments, and financial assurance requirements. 11 Q. ARE THE FINDINGS OF YOUR REVIEW CONTAINED IN THIS 12 TESTIMONY AND ACCOMPANYING EXHIBITS? Yes, my testimony and the attached exhibits detail ORS's findings and 13 Α. 14 recommendations. 15 PLEASE EXPLAIN HOW YOU COMPILED INFORMATION FOR YOUR Q. 16 TESTIMONY AND EXHIBITS. 17 I used ORS audit results and information provided by Tega Cay in its Application, Α. 18 Data Request responses, and additional information provided by Tega Cay. I also 19 reviewed Tega Cay's financial statements and performance bond documents 20 submitted to the Commission.
- PLEASE PROVIDE AN OVERVIEW OF THE LOCATIONS, SERVICE 21 Q. 22 TYPES AND CUSTOMER BASE SERVED BY TEGA CAY.

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1	A.	Tega Cay is a public utility providing water supply service and wastewater
2		collection/treatment services. As a subsidiary of Utilities, Inc., Tega Cay is a
3		National Association of Regulatory Utility Commissioners ("NARUC") Class B
4		water utility in South Carolina. In addition, Tega Cay is a Class B wastewater
5		provider according to revenue reported on its 2005 Annual Report. Tega Cay's
6		service area includes a portion of York County. According to Tega Cay's
7		application for the test year ending September 30, 2005, water services were
8		provided to 1,828 residential and commercial customers. Likewise, wastewater
9		collection and treatment services were provided to 1,714 residential and
0		commercial customers. All of the Tega Cay customers are located in the Tega
1		Cay community of York County. Customer complaints are received and managed
2		by the office in West Columbia, South Carolina.

Q. PLEASE EXPLAIN EXHIBIT WJM-1 OF YOUR REPORT.

14 Exhibit WJM-1, consisting of three pages, provides a summary of the services A. provided by Tega Cay based on the Business Office Compliance Review 15 16 completed by ORS. The Business Office Compliance Review consisted of a review of Tega Cay's office records to determine compliance with PSC rules and 17 18 regulations. 19 As expected of a Class B water utility, Tega Cay utilizes a customized computer 20 database to capture all customer account transactions. The system tracks all customer complaints received by the West Columbia, SC, office. Each complaint 21 is reflected in the specific customer account as a service order. Complaint 22 resolution data is clearly provided by date. Tega Cay's customer bills, disconnect 23

notices, payment plans and deposit receipts contain all required information and
are issued to customers in a timely manner. Invoice adjustments, deposit refunds,
late payment penalties and reconnection notices are automated, accurate and
timely. Overall, Tega Cay's business systems are well-suited to ensure
compliance with the administrative requirements of 26 S.C. Code Regs. 103
Articles 5 and 7. Tega Cay has met the Annual Report and Gross Receipts
requirements as well.

8 Q. PLEASE EXPLAIN EXHIBIT WJM-2 OF YOUR REPORT.

A. Exhibit WJM-2, consisting of 4 pages, is a summary of the water distribution and wastewater collection and treatment services inspected by ORS in June 2006.

Water Distribution

Tega Cay currently provides adequate water distribution services to its residential and commercial customers. Water is provided to customers by Tega Cay from an outside bulk water provider, York County. Required operator logs were being kept at all applicable ORS audited facilities. As required by the Commission regulations, general housekeeping items including system entry points, access roads and signage were found to be satisfactory during the audit. Potable water and irrigation consumption is metered to all customers. Safe drinking water quality standards are being met according to the recent DHEC sanitary survey report.

Tega Cay provides fire protection service to its customers through the use of

Tega Cay provides fire protection service to its customers through the use of eighty-two fire hydrants. However, during the last sanitary survey as shown in Exhibit WJM-3, DHEC gave the Tega Cay system an "UNSATISFACTORY"

rating. Tega Cay has been cited with an "UNSATISFACTORY" rating based on
the system's need for added storage capacity. According to DHEC, a drinking
water system must have storage with two hours of combined domestic peak hour
flow available or ½ the daily maximum consumption, whichever is greater. As
was noted during the site review, York County had nearly completed the addition
of a 500,000 gallon elevated storage tank near the Tega Cay community. The
addition of the storage tank should enable Tega Cay to satisfy its environmental
compliance requirement of providing adequate storage capacity and make
additional storage in Tega Cay unnecessary if flow documentation continues to
indicate a daily demand of over 500,000 gallons per day.

Wastewater Collection and Treatment Systems

Tega Cay provides wastewater treatment at three locations in York County under National Pollutant Discharge Elimination System ("NPDES") permits. During the ORS inspection, all the wastewater collection and treatment systems were operating adequately and in accordance with DHEC rules and regulations. No construction activity is being proposed by Tega Cay for its wastewater collection and treatment systems and no immediate need exists for upgrading the current systems.

Q. PLEASE EXPLAIN THE STATUS OF THE PERFORMANCE BOND FOR TEGA CAY.

A. ORS noted one deficiency during the Business Office Compliance Review. The face amount of \$100,000 on the posted performance bond is insufficient to meet the requirements of 26 S.C. Code Regs. 103-512.3.1 and 103-712.3.1. Tega Cay

1	needs to increase the performance bond amounts for both its water and
2	wastewater operations.
3	Exhibit WJM-4 provides an overview of Tega Cay's bonding structure. The
4	purpose of a utility's performance bond is to provide sufficient financial
5	assurance to both the customer and the Commission in the event that the utility
6	fails to provide safe and adequate service. The performance bond amount should
7	be high enough to support expenses of that utility for a period of time. Pursuant
8	to 26 S.C. Code Regs. 103-512.3.1 and 103-712.3.1, "the amount of bond shall be
9	based on, but not limited to, the total amount of the following categories of
10	expenses for twelve months: Operation and Maintenance Expenses, General and
11	Administrative Expenses, Taxes Other Than Income Taxes, Income Taxes, and
12	Debt Service including Interest Expenses." The bond amount is also set forth in
13	S.C. Code Ann. Section 58-5-720 (Supp. 2005). The Commission's statutes and
14	regulations state bond amounts must range from an amount not less than \$100,000
15	and not more than \$350,000.
16	Tega Cay has a current performance bond for utility operations in the form of an
17	Irrevocable Letter of Credit ("ILC") from Bank One on file with the PSC in the
18	amount of \$100,000 (Exhibit WJM-5). The ILC was filed with the PSC along
19	with a letter dated October 21, 2004 and contains an expiration date of June 30,
20	2006 with an automatic extension until June 30, 2007 unless at least forty-five
21	(45) days prior to such expiration date a notification is provided to the PSC. Tega
22	Cay has provided \$50,000 in surety for water operations and \$50,000 in surety for
:3	wastewater operations according to PSC records.

A.

Based on the expenses from the test year and using the criteria set forth in 26 S.C.
Code Regs. 103-512.3.1 and 103-712.3.1, ORS determined that the face amount
of Tega Cay's bond should be \$300,000 for water operations and \$350,000 for
wastewater operations (Exhibit WJM-4). Tega Cay's adjusted bonding criteria
expenses for the test year were \$296,648 for water operations and \$465,300 for
wastewater operations. Combined bonding criteria expenses, as adjusted totaled
\$761,948 for the test year ending September 30, 2005. ORS respectfully requests
that the Commission increase the Tega Cay performance bond requirements for
water and wastewater operations to \$300,000 and \$350,000 respectively as it is in
the public interest for Tega Cay to obtain a bond that satisfies the criteria as set
forth in S.C. Code Ann. Section 58-5-720 (Supp. 2005).

Q. DOES ORS RECOMMEND ANY ADJUSTMENTS TO THE TEST YEAR SERVICE REVENUES OF TEGA CAY?

ORS completed a thorough review of Tega Cay's customer water consumption and base facility charge ("BFC") revenue calculations for the test year. Based on this review, ORS supports Tega Cay's minor adjustments to test year water and sewer service revenue. ORS proposes no additional adjustments to test year service revenue, as calculated adjustments were under \$110. Tega Cay bills all customers in accordance with the rate structure approved by the Commission. In addition, ORS proposes no adjustment to Tega Cay's Miscellaneous Revenues or Uncollectible Accounts. Tega Cay currently has an uncollectible percentage of 0.33%, which ORS finds to be acceptable.

Α.

With regard to expenses, ORS did note that Tega Cay's customer consumption
amount for the test year used to determine the utility's commodity charge was
different from the customer consumption amount that was being reported to the
third party bulk water supplier. Tega Cay reported a test year consumption
amount of 110,725,350 gallons that was billed to its customers with a 5/8 th inch
meter. However, the test year consumption amount that was reported to its bulk
water provider for customers with a 5/8 th inch meter was 110,055,290 gallons.
This accounting difference does not affect Tega Cay's revenue since the utility's
revenue is set by the Commission. Nevertheless, it does impact the cost to the
customers.

Q. WHAT CONCERNS DO YOU HAVE REGARDING ANY WATER LOSS

BY TEGA CAY?

Utilities can no longer afford to ignore inefficiencies in their water distribution systems. Increases in pumping, treatment and operational costs make water losses cost prohibitive. Water loss on Tega Cay's system is ultimately passed on to the customers in the form of higher rates. As described in the contract with York County (See Exhibit WJM-6) on page 4, the County Charge to the Utility is based on the cost of all water provided to Tega Cay through the master meter. This cost is shared with the customers through an allocation method using the water usage registered on all of Tega Cay customer's meters. According to EPA, an 8% allowance for unaccounted-for water is acceptable. But a loss of more than 12% requires priority attention and corrective action. During the test year, Tega Cay provided ORS with information stating that it purchased (master meter)

141,195,000 gallons of water and sold (metered) 111,537,250 gallons of water to its customers. The difference is 29,657,750 gallons, which represents a loss of approximately 21%. Tega Cay can account for 10,746,013 gallons of the unsold water as being used at its three wastewater treatment facilities by the recorded quantity from the meters at each facility. However, the remaining quantity, 18,911,737 gallons, of unsold water is an excessive amount of water loss for a system of this size and construction. Unaccounted-for water is the difference between water supplied (metered at the master meter) and metered use (i.e., sales plus non-revenue producing metered water).

Unaccounted-for water (%) = (Supplied - metered use) x 100% (Supplied)

Using the above formula, Tega Cay's unaccounted-for water is determined to be over 12%. Tega Cay has provided information stating that the difference between the purchased water quantity and the water sold to its customers is caused by leaks in the system, water used at the three wastewater treatment facilities (WWTFs), and an overflow issue at its water tower. This water loss does not directly affect Tega Cay customer's bills since their monthly water bills are based on the customer's usage registered through meter readings. However, water loss on the system indirectly impacts the customers when York County raises wholesale rates to its customers. York County may adjust these rates by action of the County Council. Since Tega Cay is a wholesale customer of York County, the cost of any water loss on the system is borne by the customers through higher

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1	wholesale rates. York County charges are captured on the Tega Cay customer's
2	bill through a separate supply and base charge.

3 Q. HOW CAN TEGA CAY RESOLVE ITS WATER LOSS PROBLEM?

In an effort to eliminate or lower its unaccounted-for water statistics, Tega Cay should conduct a water audit. A water audit can identify how much water is lost and what that loss is costing the utility and its customers. Records and system control equipment (such as meters) should be checked for accuracy. The overall goal of the audit is to assist Tega Cay in the selection and implementation programs to reduce distribution system losses and thus help to avoid higher rates for the customers. The water audit should be followed by the development of a leak detection program. The implementation of a leak detection program can help Tega Cay reduce water and revenue losses and make better use of water resources.

14 Q. PLEASE EXPLAIN EXHIBIT WJM-7 OF YOUR REPORT.

A. Exhibit WJM-7 provides an overview of the Tega Cay proposed rates and their impact on water and wastewater revenues. ORS used consumption data provided by Tega Cay and verified during the audit. In addition, ORS used Tega Cay's current and proposed rates as reflected in the application for these calculations. In summary, ORS calculated Tega Cay's test year service revenue for water operations, as adjusted, of \$346,818. ORS calculated Tega Cay's test year service revenue for wastewater operations, as adjusted, of \$601,950. ORS calculated test year revenues for combined operations, as adjusted, of \$948,768. For comparison purposes, ORS calculated Tega Cay's proposed water service revenues, as

1	adjusted, of \$399,811. ORS calculated Tega Cay's proposed wastewater service
2	revenues, as adjusted, of \$746,787. At Tega Cay's proposed rates, combined
3	operations revenue, as adjusted, would total \$1,146,597. ORS did not factor

- customer growth into these revenue comparisons. As shown in Exhibit WJM-8,
- 5 the projected growth for Tega Cay is approximately 1.16%.
- 6 PLEASE EXPLAIN EXHIBIT WJM-9 OF YOUR REPORT. Q.
- 7 A. Exhibit WJM-9 is a summary of the current PSC approved rates for Tega Cay and
- 8 Tega Cay's proposed rates.
- ON WHAT BASIS DOES ORS MAKE DEPRECIABLE SERVICE LIFE 9 O.
- 10 **RECOMMENDATIONS?**
- 11 ORS recommendations are based on the conclusions outlined in the Florida Public Α.
- Service Commission Water and Wastewater System Regulatory Law as 12
- 13 recommended by the NARUC staff. ORS's approach and conclusions made
- concerning depreciation are consistent with the Public Utility Depreciation 14
- 15 Practices manual as published by NARUC in 1996.
- HAS TEGA CAY REQUESTED, AS PART OF ITS PROPOSED RATE 16 Q.
- 17 DESIGN, TO ADD OR MODIFY ITS CURRENT PROVISION
- 18 PROVIDING FOR A PASS-THROUGH OF BULK WATER AND SEWER
- 19 **CHARGES?**
- 20 A. Yes, it has.
- 21 IN WHICH PARTS OF TEGA CAY'S SERVICE AREAS WOULD THE Q.
- 22 PASS-THROUGH PROVISION APPLY?

1	A.	It would apply to the entire service area of Tega Cay which is currently being
2		provided bulk water.

3 Q. WHAT WOULD BE THE COST IMPACT OF THE PASS-THROUGH ON

4 CUSTOMERS IN THE TEGA CAY'S SERVICE AREA?

- 5 A. The cost impact would vary depending upon the bulk service provider's charge.
- The ORS requests that Tega Cay be required to provide additional notice to the
- 7 customers in its service area prior to the existing pass-through agreement being
- 8 altered or when a new agreement is developed.

9 Q. DOES ORS SUPPORT TEGA CAY'S REQUEST FOR APPROVAL OF

10 THE PASS-THROUGH?

11	A.	Yes. However, ORS suggests one modification. Pass through provisions like
12		those proposed by Tega Cay in this case are consistent with those approved by the
13		Commission for other water and sewer utilities. ORS proposes that Tega Cay's
14		right to pass-through bulk charges in amounts above and beyond those reflected in
15		Exhibit WJM-10 be conditioned upon Tega Cay's compliance with the procedure
16		established by the Commission for Kiawah Island Utility, Inc. in Order Numbers
17		2002-285 and 2002-517 in Docket Number 2001-164. Under that procedure,
18		Tega Cay would be required to give the Commission thirty days notice of its
19		intent to increase the amount of pass-through rates beyond those which may be
20		approved in this proceeding and to provide the Commission with justification for
21		any such increase. In the event that the amount of increase in the pass-through
22		rate is approved by the Commission, Tega Cay would then be required to give
23		customers an additional thirty days notice before the increase in the pass-through

1		amount may be put into effect. ORS believes that this modification is in the
2		public interest and gives the Commission the ability to consider the justification
3		for any future increases in pass-through amounts in a manner that will not require
4		the Commission to engage in a full rate-making proceeding.
5	Q.	DO YOU HAVE ANY COMMENTS REGARDING TEGA CAY'S
6		REQUEST TO MODIFY TERMS AND CONDITIONS RELATING TO
7		TENANT BILLING?
8	A.	ORS supports Tega Cay's proposed modification in terms and conditions listed in
9		its proposed tariff. This change is required to ensure compliance with S.C. Code
10		Ann. § 27-33-50 (Supp. 2005).
11	Q.	DO YOU HAVE ANY COMMENTS REGARDING TEGA CAY'S
12		REQUEST TO ADD TERMS AND CONDITIONS RELATING TO
13		CROSS-CONNECTION TESTING?
14	A.	ORS supports Tega Cay's proposed addition of language requiring its water
15		customers to conduct cross connection testing pursuant to 24 A S.C. Code Ann.
16		Regs. R. 61-58.7.F (8) (Supp. 2005).
17	Q.	DO YOU HAVE ANY COMMENTS REGARDING TEGA CAY'S
18		ABILITY TO RESOLVE CUSTOMER BILLING COMPLAINT ISSUES
19		ARISING FROM WATER LEAKS?
20	A.	During the test year, Tega Cay received several customer complaints related to
21		high bills when a water leak occurred on the customer service line. In the Tega
22		Cay community, the utility purchases water supply from a third party and
23		provides sewer treatment services through its own facilities. A water leak on the

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1	customer line will increase the water component of the customer's bill. However,
2	the sewer component of the customer's bill remains at the Commission approved
3	flat rate since sewer service is comprised of a flat single family equivalent rate. If
4	a water leak occurs outside and is absorbed into the ground, a customer is still
5	obligated to pay the water charges based on that water usage even when it can be
6	documented that a water leak actually occurred. While ORS recognizes that Tega
7	Cay's contract with the third party does not allow for courtesy adjustments to
8	water usage charges in this type of situation because the third party charges are
9	calculated based on water usage, ORS encourages Tega Cay to explore
0	opportunities to negotiate future contracts to include a suitable remedy for
1	customers that develop leaks that can be documented and are stopped in a timely
2	manner.

- DO YOU HAVE ANY RECOMMENDATIONS REGARDING TEGA 13 O. 14 CAY'S REQUESTED RATE SCHEDULE?
- If the Commission grants Tega Cay a rate increase, then the increase should be 15 A. applied mainly to the sewer service rates. As determined in ORS's review of 16 Tega Cay's financial information, the water service earnings appear to be 17 18 sufficient to support the company's required revenue needs to supply the customers with adequate and quality water service. 19
- 20 Q. DO YOU HAVE ANY **COMMENTS** CONCERNING **YOUR** 21 ASSESSMENT OF TEGA CAY'S LAST RATE **ADJUSTMENT** 22 REQUEST?

1	A.	Yes. In the last rate adjustment case before the Commission, Tega Cay placed
2		new rates in affect under bond. Tega Cay eventually was required to refund
3		customers under Orders No. 1999-191, 1999-547, and 1999-733. Tega Cay
4		informed the Commission that it had refunded all but \$10,822.92 of the required
5		refund amount. This amount was posted to inactive accounts of customers who
6		were no longer served by Tega Cay. Tega Cay was ordered by the Commission to
7		use reasonable means to locate the former customers to whom refunds were due,
8		report the efforts undertaken to the Commission, and comply with the South
9		Carolina Uniform Unclaimed Property Act. See Exhibit WJM-11. ORS was not
0		able to obtain any information to show that the company has complied with the
1		orders of the Commission directing the disposition of the \$10,822.92 refund. The
2		company informed ORS that it had no record of the \$10,822.92 being refunded.
3		ORS would urge Tega Cay to comply with the prior Commission orders
4		concerning the disposition of the refund and the South Carolina Unclaimed
5		Property Act.

DOES THAT CONCLUDE YOUR TESTIMONY? 16 Q.

17 A. Yes it does.

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THE OFFICE OF REGULATORY STAFF

DOCKET NO. 2006-97-WS

Application of Tega Cay Water Service, Incorporated for Adjustment of Rates and Charges and Modifications to Certain Terms and Conditions for the Provision of Water and Sewer Service

WILLIE J. MORGAN TESTIMONY

EXHIBIT INDEX

EXHIBIT NO.	EXHIBIT TYPE	PREPARED BY
WJM-1	ORS Business Office Compliance Review	ORS
WJM-2	ORS Water/Wastewater System Inspection Report	ORS
WJM-3	DHEC Sanitary Survey Information of Water System	DHEC
WJM-4	Performance Bond Requirement	ORS
WJM-5	Tega Cay Performance Bond	Tega Cay
WJM-6	Tega Cay and York County Water Supply Agreement	Tega Cay/York County
WJM-7	Service Revenue Impact	ORS
WJM-8	Customer Growth Analysis	ORS
WJM-9	Tega Cay Current and Proposed Rate Overview	ORS
WJM-10	Impact on Pass-Through Customers	ORS
WJM-11	Commission Orders No. 1999-191, 1999-547 and 1999-733	PSC

REVIEW OF WATER AND WASTEWATER SERVICES CAROLINA WATER SERVICE, INC.

DOCKET: 2006-97-WS

The Office of Regulatory Staff ("ORS") of South Carolina performed a Business Compliance audit of the revenue, customer complaint, and customer deposit records of Tega Cay Water Service, Inc. ("Tega Cay") in preparation for this rate case. Tega Cay currently provides water distribution, wastewater collection, and wastewater treatment services to commercial and residential customers in Tega Cay's service area include a portion of York County. As of June 29, 2006, Tega Cay was providing water services to 1,696 units along with 82 fire hydrants and wastewater services to 1,709 units.

The ORS Consumer Services Department received two (2) consumer complaints regarding Tega Cay during the test year. Consumers contacted ORS to resolve the following issue: billing dispute complaints regarding improper meter readings. Since the Notice of Filing was mailed to Tega Cay's customers, the Public Service Commission has received no Petitions to Intervene and three (3) Letters of Protest. Two of the letters of protest simply requested that the Commission hold a night hearing in the area being served by Tega Cay.

ORS determined Tega Cay provides adequate water distribution service and wastewater collection/treatment service. Tega Cay is currently operating all water and wastewater systems in compliance with all DHEC quality of service rules, regulations and consent orders.

The following 2 pages provide a summary of the ORS Business Compliance Audit results.



ORS BUSINESS OFFICE COMPLIANCE REVIEW: Water/Sewer Company

Utility:

Tega Cay Water Service, Inc. Willie J. Morgan

Inspector:

Office:

110 Queen Parkway, West Columbia, SC 29169 Water & Sewer Service

Utility Type:

Date:

June 14, 2006

Company Representative: Miquel Davis & Malcolm Mitchell

#	Compliance Regulation	In Compliance	Out of Compliance	Comments
1	All records and reports available for examination in accordance with R.103-510 and R. 103-710.	x		Customers can contact West Columbia office to receive copies of records.
2	Complaint records maintained in accordance with R.103-516 and R. 103-716.	x		All customer complaints are input into Tega Cay database which tracks service orders, complaint types and related resolutions.
3	Utility's rates, its rules and regulations, and its up-to-date maps and plans available for public inspection in accordance with R.103-530 and R.103-730.	X		All documents including plans and maps are available in the West Columbia office. Maps and plans are also available at the office in Tega Cay
4	Established procedures to assure that every customer making a complaint is made aware that the utility is under the jurisdiction of the South Carolina Public Service Commission and that the customer has the right to register the complaint in accordance with R.103-530 and R. 103-730.	X		
5	Deposits charged within the limits established by R.103-531 and R. 103-731.	X		
6	Timely and accurate bills being rendered to customers in accordance with R.103-532 and R.103-732.	X		Bill date, payment due date included on bill form. However, problems were noted concerning improper meter reads or estimated bills being issued during certain portions of the test year.
7	Bill forms in accordance with R.103-532 and R.103-732.	X		Bill form is clear with adequate after-hours emergency contact information. However, the information referencing the average daily water cost listed on the bill form is misleading. The average daily cost does not reflect the cost included for York County and the SC DHEC Fee. This information should be clarified on the bill form.

Exhibit WJM-1

		·		EVHINIT AA DIAI.
#	Compliance Regulation	In Compliance	Out of Compliance	Comments
8	Adjustments of bills handled in accordance with R.103-533 and 103-733.	X		Invoice adjustments are compliant with R.103-533 and 103-733.
9	Policy for customer denial or discontinuance of service in accordance with R.103-535 and 103-735.	X		Payment plan and payment extension agreement available to all customers.
10	Notices sent to customers prior to termination in accordance with Rule R.103-535 and 103-735.	x		Proper notice procedure is in place and followed. No notices have been received by ORS for actual termination.
11	Notices filed with the Commission of any violation of PSC or DHEC rules which affect service provided to its customers in accordance with rule R.103-514-C and 103-714-C.	X		No notices have been received by ORS concerning violations of PSC or DHEC rules which affect service.
12	Utility has adequate means (telephone, etc.) whereby each customer can contact the water and/or wastewater utility at all hours in case of emergency or unscheduled interruptions or service in accordance with R.103-530 and 103-730.	X		
13	Records maintained of any condition resulting in any interruption of service affecting its entire system or major division, including a statement of time, duration, and cause of such an interruption in accordance with R.103-514 and 103-714.	X		
14	Utility advised the Commission, in accordance with Rule 103-512 of the name, title, address and telephone number of the person who should be contacted in connection with general management duties, customer relations, engineering operations, emergencies during non-office hours.	X		
15	Company verified the maps on file with the Commission include all the service area of the company.	X		
16	Number of customers the company has at present time.	NA	NA	As of 04/01/06, Tega Cay provides water service to 1696 units along with 82 fire hydrants and sewer service to 1709 units.
17	Company has a current performance bond on file with the Commission. Amount of bond: \$100,000.00		X	Tega Cay currently has a \$100,000 irrevocable letter of credit (ILC) on file with the PSC in a letter dated 10/21/04. The stated bond amount of \$50,000 for water and \$50,000 for sewer is insufficient per R.103-512 and 103-712.



ORS WATER SYSTEM INSPECTION REPORT

Inspection Overview

Date Inspected: June 14, 2006
Inspector Name: Willie J. Morgan
Docket Number: 2006-97-WS

Utility Name: Tega Cay Water Service, Inc.
Utility Representative: Mr. Mike Davis & Mr. Mac Mitchell

Number of Customers: 1691 (or 1696 units)

System Type (distribution, well, etc): Distribution only (7 wells not operational)

Location of System: Tega Cay, SC

Location of Utility Office: 110 Queen Parkway, West Columbia, SC 29169

Treatment Type: N/A
Permit #: 4650005

Last SC DHEC Compliance Rating: Unsatifactory (see information below)

Frequency checked by Licensed Daily

Operator:

Wastewater Provider: Tega Cay Water Service, Inc.

Inspection Overview

	System Components	Specifi c	#	P	Capacity	Comp	liance	Comments
	Inspected	Type		S		Yes	No	
1	Well Sites				7			Not in operation
2	Pump Houses				7			Not in operation
3	Storage Tank	Pressurized						N/A
3a	Storage Tank	Non- Pressurized						N/A
3b	Storage Tank	Overhead			250k			See information below
4	Chlorinator							N/A
5	Other Chemicals in use							N/A
6	Meters				1696	Х	***************************************	
7	Fire Hydrants				82	Χ		
8	Electrical Wiring acceptable					Χ	•	
9	Piping acceptable		<u> </u>			Х		
10	Water free of air					Х		
11	Water free of sand					Х		
12	Water clarity		T			Х		
13	System free of leaks					X		
14	Water free of observed odor					Х		
15	Access road adequate					X		
16	Ability for service area to expand					Х		Designed to served complete area

Inspection Testing Results

111327	CCCIOII I COCIIIE INCOC				
	Water Quality Test	Result		EPA	Comments
	Type		Sta	indard	
			Yes	No	
TR1	Turbidity				
TR2	Color				

Additional Comments: Tega Cay has been cited with an unsatisfactory rating based on the systems need for added storage. According to DHEC, storage capacity has to include the needed fire flow for a system. York County is constructing added capacity.



ORS WASTEWATER SYSTEM INSPECTION REPORT

Inspection Overview

Date Inspected:June 14, 2006Inspector Name:Willie J. MorganDocket Number:2006-97-WS

Utility Name: Tega Cay Water Service, Inc. (WWTF #2)

Utility Representative: Miquel Davis & Malcolm Mitchell

Number of Customers: 822

System Type (collection, force main, lagoon, etc): Collection, force main, treatment in tanks

Location of System: Tega Cay, SC

Location of Utility Office: 110 Queen Parkway, West Columbia, SC 29169

Treatment Type: Biological treatment in tanks

Permit #: SC0026743
Last SC DHEC Compliance Rating: Satisfactory

Frequency checked by WWTF Operator: Daily

Drinking Water Provider: Tega Cay Water Service, Inc.

Inspection Results

	System Components Inspected	Compl	iance	Comments
	, ,	Yes	No	
1	Chlorinator	X		
2	Other chemicals in use	Х		
3	Aerators present			N/A
4	Plant fenced and locked	Х		
5	Warning Signs Visible	X		
6	Fence in good condition	X		
7	Dikes in good condition		-	N/A
8	Odor non-existent or limited	Х		Minor odor at 16102 Heron Run near house. From customer side?
9	Grass mowed	X		
10	Duckweed/Algae acceptable	X		Non present
11	Grease build-up acceptable	X		
12	Plant free of debris	X		
13	Effluent Color acceptable	X		
14	Lift Stations present	X		
15	Failure Warning System adequate	Х		
16	Electric Wiring adequate	X		
17	System free of leaks	X		
18	System free of overflows	X		
19	Access road adequate	Х		
20	Ability for service area to expand	X		

Additional Comments: System is capable of handling the capacity needs of the service area.



ORS WASTEWATER SYSTEM INSPECTION REPORT

Inspection Overview

Date Inspected:June 14, 2006Inspector Name:Willie J. MorganDocket Number:2006-97-WS

Utility Name: Tega Cay Water Service, Inc. (WWTF #3)

Utility Representative: Miquel Davis & Malcolm Mitchell

Number of Customers: 473

System Type (collection, force main, lagoon, etc): Collection, force main, treatment in tanks

Location of System: Tega Cay, SC

Location of Utility Office: 110 Queen Parkway, West Columbia, SC 29169

Treatment Type: Biological treatment in tanks

Permit #: SC0026751
Last SC DHEC Compliance Rating: Satisfactory

Frequency checked by WWTF Operator: Daily

Drinking Water Provider: Tega Cay Water Service, Inc.

Inspection Results

[System Components Inspected	Compl	iance	Comments
		Yes	No	
1	Chlorinator	Х		
2	Other chemicals in use	X		
3	Aerators present			N/A
4	Plant fenced and locked	X		
5	Warning Signs Visible	X		
6	Fence in good condition	X		-
7	Dikes in good condition			N/A
8	Odor non-existent or limited	X		
9	Grass mowed	X		
10	Duckweed/Algae acceptable	X		Non present
11	Grease build-up acceptable	X		
12	Plant free of debris	Х		
13	Effluent Color acceptable	X		
14	Lift Stations present	Х		
15	Failure Warning System adequate	Χ		
16	Electric Wiring adequate	Х		
17	System free of leaks	Х		
18	System free of overflows	Х		
19	Access road adequate	Х		
20	Ability for service area to expand	X		

Additional Comments: System is capable of handling the capacity needs of the service area.



ORS WASTEWATER SYSTEM INSPECTION REPORT

Inspection Overview

Date Inspected: June 14, 2006
Inspector Name: Willie J. Morgan
Docket Number: 2006-97-WS

Utility Name: Tega Cay Water Service, Inc. (WWTF #4)

Utility Representative: Miquel Davis & Malcolm Mitchell

Number of Customers: 360

System Type (collection, force main, lagoon, etc): Collection, force main, treatment in tanks

Location of System: Tega Cay, SC

Location of Utility Office: 110 Queen Parkway, West Columbia, SC 29169

Treatment Type: Biological treatment in tanks

Permit #: SC0026751
Last SC DHEC Compliance Rating: Satisfactory
Frequency checked by WWTF Operator: Daily

Drinking Water Provider: Tega Cay Water Service, Inc.

Inspection Results

	System Components Inspected	Compl	iance	Comments
		Yes	No	
1	Chlorinator	Х		
2	Other chemicals in use	Х		
3	Aerators present	Х		2 aerators present in polishing pond.
4	Plant fenced and locked	X		
5	Warning Signs Visible	X		
6	Fence in good condition	X		
7	Dikes in good condition	Х		
8	Odor non-existent or limited	Χ		
9	Grass mowed	X		
10	Duckweed/Algae acceptable	Х		Non present
11	Grease build-up acceptable	X		
12	Plant free of debris	X		
13	Effluent Color acceptable	X		
14	Lift Stations present	X		
15	Failure Warning System adequate	Х		
16	Electric Wiring adequate	X		
17	System free of leaks	Х		
18	System free of overflows	X		
19	Access road adequate	X		
20	Ability for service area to expand	X		

Additional Comments: System is capable of handling the capacity needs of the service area.

Exhibit WJM-3



CATAWBA DISTRICT

ENVIRONMENTAL QUALITY CONTROL
Serving Cleater, Lancaster, and York BARLALINA WATER SERVICE

RECEIVED

OCT 12 2005



South Carolina Department of Health and Environmental Control

September 30, 2005

Bruce Haas P.O. Box 4609 West Columbia SC 29171

Sanitary Survey: CWS Tega Cay

System Number: 4650005

System Type: C Population: 4,347

Bruce Haas

A sanitary survey of the drinking water system serving the above referenced site was conducted recently and a copy of the survey report is enclosed for your records. The overall rating for the system is UNSATISFACTORY. It is necessary that you retain a copy of this report for a period of not less than ten years and make it available to DHEC or the public upon request.

CWS Tega Cay has been cited with an UNSATISFACTORY rating based on the systems need for added storage. Storage capacity has to include the needed fire flow for a system. A drinking water system must have storage with two hours of combined domestic peak hour flow available or ½ the daily maximum consumption, which ever is greater. No improvements have been made to increase the storage capacity over the past two years. There was mention made again about the system having regular overflow issues. Records for these occurrences should be collected and submitted to the permitting section in Columbia to have the system examined for a possible change in capacity needs. If overflow is not an issue additional storage must be obtained.

I will be happy to meet with you to discuss this agency's requirements for a public water system. Please let me know if you have any questions or if I can be of further assistance. Submit to our office, in writing, actions taken to upgrade the water system by no later than 30 days of receiving this letter. Thank you for your cooperation.

Sincerely,

Hollon R. Stillwell

District Drinking Water

cc: Bureau of Drinking Water Protection

District File

SCOHEC

Public Water System Inventory Report Form

Bureau of Water

stem Name: CWS/ TEGA CAY (A)dd, (M)odify, (R)enum, (D)elete: tem Number: 4650005 Reason: Amual Today's Date: 9-29-05 Fax Number: NONE Mailing Address: Geographical/Contact Address (if different): **BRUCE HAAS** HERMAN ESTES PO BOX 4509 25039 TIMBERLAKE DRIVE WEST COLUMBIA, SC 29171 TEGA CAY, SC 29715 Telephone: (704)525-7990 Emergency Telephone: (803)548-1828 Contact Telephone: NONE System Characteristics System Type.... C inact Code..... Service Area. . . . R₁ Season On (mo/day)..... 01/01 Subtype..... Inact Date (mo/yr). . . . Counties Served: Season Off (mo/day).... 12/31 Owner Type.... PRIV Begin Date (mo/yr)... 06/1977 46 Statistical Information Source Use Information: Number of Service Connections: Percent Surface Water..... 0 Residential..... Percent Ground Water..... > Total . . . 1696 0 Non Residential..... it Purchased Surface Water. . . 100 Maximum Allowable.... 0 Percent Purchased Ground Water. . . . Permitted..... O Total must equal 100% Production (MGD): Number of Surface Water Sources. . . Average..... Number of Ground Water Sources.... 7 Maximum Day..... 25 0.68 Purchased Suface Water Sources. . . . Number of Permanent SW Sources... 0 Capacity: Number of Emergency SW Sources. . . 0 Total.... .5 Number of Permanent GW Sources... O Emergency..... 0.3450 Number of Emergency GW Sources... Storage: Service Population: Elevated (MG)..... 0.250 'opulation..... 4,347 Ground (MG)..... 0.000 econdary Population..... + Plus to add a tout 350,000 O Pressure (TG)..... 0.000

Comments

MUZ

SCOHEC

February 18, 2005

Public Water System Source/Plant Inventory Report

Bureau of Water

System Name: CWS/ TEGA CAY	(A)dd, (M)odify, (R)enum, (D)elete:
em Number: 4650005	Reason:
Source ID: G46177	Today's Date:
	General Information
Location MOLOKAI DR. WELL	Availability Code E
Source Name WELL ONE	Latitude
Receiving Plant NONE	Longitude 81.01571890
Plant ID NONE	Source Code G
Gi	round Water Source Information
Well Characteristics	Well Pump Characteristics
Depth (ft)	Horsepower
Type	Type \$
Casing Diameter (in) 8	Design Yield (gpm) 185.00
Casing Type	Test Yield (gpm)
Under the Direct Influence of SW? N	Avg. Daily Production (TGD) 91.00
	Regulated Capacity (TGD) 177.60
	Treatment Codes
C4470, D4030	
	Comments
	•
gnature:	
N.	

Page 1 of 9

dwinvsrc.rdf

SČDHEC

Public Water System Source/Plant Inventory Report

Bureau of Water

System Name: CWS/TEGA CAY tem Number: 4650005 Jurce ID: G46179	(A)dd, (M)odify, (R)enum, (D)elete: Reason: Today's Date:
	General Information
Location MARQUESAS AVE. WELL Source Name WELL THREE Receiving Plant NONE Plant ID NONE	Availability Code E Latitude
Ground	d Water Source Information
Well Characteristics Depth (ft)	Well Pump Characteristics Horsepower
C4470, D4030	Treatment Codes
	Comments
	· · · · · · · · · · · · · · · · · · ·

ebruary	18,	2005	

SCOHEC

Public Water System Source/Plant Inventory Report

Bureau of Water

•	•
Sectem Name: CWS/ TEGA CAY	(A)dd, (M)odify, (R)enum, (D)elete:
m Number: 4650005	Reason:
Source ID: G46180	Today's Date:
	General Information
Location PALYRMA DRIVE WELL	Aváilability Code E
Source Name WELL FOUR	Latitude
Receiving Plant NONE	Longitude 81.01668370
Plant ID NONE	Source Code G
Groun	d Water Source Information
Well Characteristics	Well Pump Characteristics
Depth (ft) 680	Horsepower
Туре 1	Туре S
Casing Diameter (in)	Design Yield (gpm) 100.00
Casing Type G	Test Yield (gpm)
Under the Direct Influence of SW? N	Avg. Daily Production (TGD) 49.17
	Regulated Capacity (TGD) 96.00
	Treatment Codes
C4470, D4030	
	Comments
· · · · · · · · · · · · · · · · · · ·	

February	18.	2005	

SCOHEC

Public Water System Source/Plant Inventory Report

Bureau of Water

tem Number: 4650005 Source ID: G46181	(A)dd, (M)odify, (R)enum, (D)elete: Reason: Today's Date:
	General Information
Location POINT CLEAR DRIVE Source Name WELL FIVE Receiving Plant NONE Plant ID NONE	Availability Code E Latitude
Grou	and Water Source Information
Well Characteristics Depth (ft)	Well Pump Characteristics Horsepower
	Treatment Codes
	Comments

February 18, 2005

SCDHEC

Public Water System Source/Plant Inventory Report

Bureau of Water

	•			
rstem Name: CWS/ TEGA CAY	(A)dd (M)odib (P)anum (P)alata			
em Number: 4650005	(A)dd, (M)odify, (R)enum, (D)elete:			
Source ID: G46182	Heason: Today's Date:			
	General Information			
Location GAUGUIN LANE WELL	Availability Code E			
Source Name WELL SIX	Latitude			
Receiving Plant NONE	Longitude 81.01893970			
Plant ID NONE	Source Code G			
Groun	nd Water Source Information			
Well Characteristics	Well Pump Characteristics			
Depth (ft)	Horsepower			
Туре 1	Type \$			
Casing Diameter (in) 8	Design Yield (gpm) 125.00			
Casing Type	Test Yield (gpm)			
Original the Direct intruence of SWY N	Avg. Daily Production (TGD) 53.11			
	Regulated Capacity (TGD) 120.00			
	Treatment Codes			
C4470, D4030				
	Comments			
·				

SCDHEC

Public Water System Source/Plant Inventory Report

Q:	ıre:	~++	αf	14/	~4	~ =
Di	ITE:	ш	α	VV	aт	er

retem Name: CWS/ TEGA CAY rem Number: 4650005 Source ID: G46183	(A)dd, (M)odify, (R)enum, (D)elete: Reason: Today's Date:
	General information
Location MANILA BAY LANE WELL Source Name WELL SEVEN Receiving Plant NONE Plant ID NONE	Availability Code E Latitude
Ground	Water Source Information
Well Characteristics Depth (ft)	Well Pump Characteristics Horsepower
C4470, D4030	Freatment Codes
	Comments

SCDHEC

Public Water System Source/Plant Inventory Report

Bureau of Water

tem Name: CWS/ TEGA CAY	(A)dd, (M)odify, (R)enum, (D)elete:
tem Number: 4650005	Reason:
Source ID: P46001	Today's Date:
G	General Information
Location NONE	Availability Code P
Source Name Purchased Surface Water	Latitude NONE
Receiving Plant N/A	Longitude NONE
Plant ID N/A	Source Code P
Purchas	sed Source Information
System Number Metered From 4620002	Average Use (MGD)359
System Name Metered From YORK CO/EAST	Total Capacity (MGD) 0
	Number of Meters 1
т,	reatment Codes
N9970	
	Comments

áČDHEC Bureau of Water

Public Water System Sanitary Survey Report Ground Water Systems

item name:

CWS TEGA CAY

System number:

4650005

Last Survey: 06/10/2004

Survey Date: 9 29/ 05

SOURCE:	OPERATIONAL CONTROL:	D. Dr. ve di
1. Quantity		D. Distribution Operator Grade
2. Protection from Contam	26. Certified Operator/Starting*. S	A
3. Security	co. resuit Edithttelli	В
4. Wellhead Piping	OU. MORROLLINGS.	C 1
5. Pumps		D
6. Flow Measuring Device	S 31. Plant Security* N	T 1 (4)
WATER TREATMENT: 7. Filtration* 8. Equipment Maintenance* 9. Chemical Agrage & Hand.* 10. Chemical Feed* 11. Chemical Injection Points* 12. Water Quality. 13. Operation & Control. 14. Adequate Pressure. 15. Fire Flow. 16. Cross Connection Control. S	32. Facility Maintenance	G. E. Field Tests Chlorine. pH. psi Other. S. Samples Taken Bacteriological. Inorganic. Organic. Radiological. Other.
Valve/Hydrant Maintenance S Flushing Program S	b. Operator Grade	F. Type Inspection/Visit GW ROUTINE
19. Leak Detection and Repair. S 20. System Map. S 21. Sample Siting Plan. S	B C	G. Are all services metered? Y Percent metered 100
22. Disinfectant Residual* N	D	H. Is system presently under order? N
T <u>OR</u> AGE:	T(1) ?	If Yes, is system complying w/order? N
23. Capacity	C. Dist. Group (I - V)	I. Follow up scheduled? N Date scheduled
25. Security S	% willess 0.4	J. Overall Rating U
6. Appurtenances S		-
7. Maintenance S		K. Operator/Owner present? Y
	·	

35: Continue to improve the details of the manual 23: Capacity is still an issue. Keep records of oxuflow. Notify with addition of mother tenth / Horse (workerder bound for 350,000 time to be added at del

^{*}Applicable for treated systems only.

^{**}Applicable for part 1 and 2 systems only.

m represents neither a final approval of the water system, nor an approval to operate the system.

	Tega Cay Water Service, Inc Water				
			Tega Cay Proposed		
Bond Value Components	Per Books	As Adjusted	Increase		
Maintenance Expense	\$111,28	\$112,943	\$112,943		
General Expense	\$96,192	\$112,895	\$106,850		
Taxes	\$105,160	\$60,031	\$60,627		
Income Tax	\$21,894	\$10,779	\$33,078		
Debt Service/Interest Expense	\$(\$0	\$0		
Bond Value Requirement	\$334,53	\$296,648	\$313,498		
	Tega Ca	y Water Service, In	c Wastewater		
			Tega Cay Proposed		
Bond Value Components	Per Books	As Adjusted	Increase		
Maintenance Expense	\$276,967	\$278,523	\$278,523		
General Expense	\$90,190	\$105,853	\$103,898		
Taxes	\$101,709	\$62,209	\$63,839		
Income Tax	\$38,436	\$18,715	\$75,464		
Debt Service/Interest Expense	\$0	\$0	\$0		
Bond Value Requirement	\$507,302	\$465,300	\$521,724		
	Tega Ca	y Water Service, Ir			
Bond Value Components	Dan Danie		Tega Cay Proposed		
Maintenance Expense	Per Books	As Adjusted	Increase		
General Expense	\$388,252		\$391,466		
Taxes	\$186,382		\$210,748		
Income Tax	\$206,869 \$60,330		\$124,466		
Debt Service/Interest Expense	ან0,330 \$0		\$108,542		
Bond Value Requirement	\$841,833	ΨΨ	\$0		
Sond Value Requirement	φ041,033	\$761,948	\$835,222		
Current Performance Bond					
Structure (1)	Bond Value	Expiration Date			
Bank One, NA Irrevocable Letter of					
Credit (00440434)	\$100,000	06/30/07			
Total Financial Assurance	\$100,000				

⁽¹⁾ As reported on Irrevocable Letter of Credit dated 10/21/04.

⁽²⁾ Irrevocable Letter of Credit secures performance bond of \$50,000 for water operations and \$50,000 for wastewater operations.

Exhibit WJM-5

BANK ONE.

Chicago, IL 60670
Tel: (800) 634-1969

SWIFT: FNBCUS44
Telex: ITT4330253 FNBCUI

IRREVOCABLE STANDBY LETTER OF CREDIT NO. 440434

DATE: OCTOBER 21, 2004

BENEFICIARY: STATE OF SOUTH CAROLINA THE PUBLIC SERVICE COMMISSION 101 EXECUTIVE CENTER DR. KROGER EXECUTIVE CENTER DRIVE COLUMBIA, SC 29210

DRAFTS DRAWN MUST BE MARKED WITH OUR LETTER OF CREDIT NO. 440434 OPENER'S REFERENCE NO. 440434

GENTLEMEN:

BY THE ORDER OF:

APPLICANT: TEGA CAY WATER SERVICES C/O UTILITIES, INC. 2335 SANDERS ROAD NORTHBROOK, IL 60062

WE HEREBY ISSUE IN YOUR FAVOR OUR IRREVOCABLE STANDBY LETTER OF CREDIT NO: 440434 FOR THE ACCOUNT OF TEGA CAY WATER SERVICES, C/O UTILITIES, INC., FOR AN AMOUNT OR AMOUNTS NOT TO EXCEED IN THE AGGREGATE U.S. \$100,000.00 (ONE HUNDRED THOUSAND AND 00/100 U.S. DOLLARS) AVAILABLE BY YOUR DRAFTS AT SIGHT ON BANK ONE, NA, CHICAGO, IL EFFECTIVE OCTOBER 21, 2004 AND EXPIRING AT OUR OFFICE ON JUNE 30, 2006.

FUNDS UNDER THIS CREDIT ARE AVAILABLE AGAINST YOUR DRAFT(S) AS HEREIN ABOVE SET FORTH MARKED "DRAWN UNDER BANK ONE, NA LETTER OF CREDIT NO. 440434" AND ACCOMPANIED BY THE FOLLOWING:

THE ABOVE MENTIONED DRAFT(S) MUST BE PRESENTED AT SIGHT ON OR BEFORE THE EXPIRY DATE OF THIS INSTRUMENT AND IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF THIS LETTER OF CREDIT.

WE ENGAGE WITH YOU THAT DRAFTS DRAWN UNDER AND IN CONFORMITY WITH THE TERMS AND CONDITIONS OF THIS CREDIT WILL BE DULY HONORED ON PRESENTATION IF PRESENTED ON OR BEFORE THE EXPIRATION AT OUR COUNTERS AT 300 SOUTH RIVERSIDE PLAZA, 7TH FLOOR, MAIL CODE IL1-0236, ATTN: STANDBY LETTER OF CREDIT UNIT, CHICAGO, IL 60606-0236. THE ORIGINAL LETTER OF CREDIT MUST ACCOMPANY THE DOCUMENTS REQUIRED UNDER THIS CREDIT FOR ENDORSEMENT.

IT IS A CONDITION OF THIS LETTER OF CREDIT THAT IT SHALL BE AUTOMATICALLY EXTENDED WITHOUT AMENDMENT FOR ONE (I) YEAR FROM THE EXPIRY DATE HEREOF OR ANY FUTURE EXPIRY DATE UNLESS AT LEAST FORTY FIVE (45) DAYS PRIOR TO SUCH EXPIRATION DATE WE NOTIFY YOU BY CERTIFIED MAIL OR HAND DELIVERED COURIER, AT THE ADDRESS STATED ABOVE, THAT WE ELECT NOT TO EXTEND THIS LETTER OF CREDIT FOR ANY SUCH ADDITIONAL PERIOD. HOWEVER, IN NO EVENT SHALL THIS LETTER OF CREDIT BE EXTENDED BEYOND JUNE 30, 2007.

THIS CREDIT IS SUBJECT TO THE UNIFORM CUSTOMS AND PRACTICE FOR DOCUMENTARY CREDITS (1993 REVISION), INTERNATIONAL CHAMBER OF COMMERCE – PUBLICATION 500.

BANKTONE.

Bank One, NA
Global Trade Services
One Bank One Plaza
Mail Code IL1-0236
Chicago, IL 60670
Tel: (800) 634-1969 Fax: (312) 954-0203
SWIFT: FNBCUS44

Telex: ITT4330253 FNBCUI

IRREVOCABLE STANDBY LETTER OF CREDIT 440434

DATE: OCTOBER 21, 2004

PLEASE ADDRESS ALL CORRESPONDENCE REGARDING THIS LETTER OF CREDIT TO THE ATTENTION OF OUR STANDBY LETTER OF CREDIT UNIT, TRADE SERVICE GROUP, MENTIONING OUR LETTER OF CREDIT NUMBER AS IT APPEARS ABOVE.

VERY TRULY YOURS, BANK ONE, NA

PREPARER/ALITHORIZED SIGNED

Page 2 of 2

Exhibit WJM-6

WATER SUPPLY AGREEMENT Tega Cay Water Service, Inc. and York County, South Carolina

this 22 day of June, 1993, by and between Tega Cay Water Service, Inc., a South Carolina corporation, (hereinafter referred to as "Utility") and York County, a political subdivision of the State of South Carolina, acting by and through its County Council, the governing body thereof, (hereinafter referred to as "County").

WITNESSETH

WHEREAS, Utility is engaged in the business of furnishing water service to the public in an area located in York County, South Carolina, known as Tega Cay (hereinafter referred to as the "Water Service Area" and more fully described as the area encompassed by the City limits of Tega Cay, South Carolina as indicated on the map entitled Tega Cay Master Development Plan, dated December 23, 1980 and attached hereto as Exhibit 1); and

W.

WHEREAS, the Utility desires to obtain, and the County desires to provide water supply service for the Utility's existing and future customers within the Water Service Area, subject to the terms and conditions of this Agreement.

NOW, THEREFORE, in consideration of the premises which shall be deemed an integral part of this Agreement and of the mutual covenants as hereinafter set forth the parties hereto agree as follows:



Section 1

Purpose

It is the purpose and intent of this Agreement to provide for public water service by Utility, utilizing the County's water supply, to existing homes and structures and future homes and structures within the Water Service Area defined in Exhibit 1, and to provide for the timely payment to the County of all costs incurred in the provision of water to Utility by the County. All terms and conditions contained herein shall be read and interpreted in a manner consistent with and in furtherance of this purpose and intent.

Section 2

Water Supply Service

1. The County shall provide water supply service to Utility under terms and conditions contained in this Agreement. Such service shall be provided through County water main extensions and interconnections with Utility's water distribution system. County agrees to install all necessary main extensions and interconnections at its sole cost and expense. The County shall extend its water main to the City Limit line located on Gold Hill Road. The County shall install a meter vault and meter at that location. Utility will extend its existing water line to connect to such meter. All County and Utility construction work shall meet all applicable regulatory standards. The County will deliver water to Utility with adequate pressure and quantity to serve existing and future Utility customers in Tega Cay.





- The County shall use its best efforts to provide 2. the necessary water supply capacity needed by Utility to service its customers within the Water Service Area. 3 Notwithstanding any other provisions contained herein, the County shall not be liable for any damages as the result of 5 the inability or failure to provide water services pursuant 6 to this Agreement either on a temporary, emergency, or 7 permanent basis. Further, the County will be obligated to 8 provide to Utility water which meets or exceeds all state and federal health guidelines and standards.
 - Utility and County agree that the following method for billing Utility for water sold to Utility by County ("The Billing Method") is acceptable to both parties.

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The Billing Method: Utility shall make bimonthly payments to County based on the water usage registered on all Utility customer's meters within the Water Service Area. The County's initial charge to Utility for the Ca water so metered will be equal to the lowest County wholesale water rate authorized by the York County Council for similarly situated customers in York County for service rendered by the County where billing is based upon retail customer meter readings. The present York County wholesale water rate Ordinance is attached hereto as Exhibit 2. understood by both parties that the County is reviewing the present rate established by the County in the County Rate Ordinance attached hereto as Exhibit 2. The objective of reviewing the rate is to determine if the wholesale water



- rate can be reduced as a result of increased revenues from the additional customers in Tega Cay being added to the 3 County system. The County Charge to Utility will include the cost of all water provided to Utility through the County 4. 5 master meter. Depending on the cost of construction of water supply trunk lines and the County's purchased water cost, 6 7 there may or may not be a reduction or increase in the 8 initial County wholesale water rate.
- 9 In the event that payment is not made to County by 10 Utility within 30 days after each bi-monthly Utility customer billing, Utility agrees to pay interest to the County at the rate of one and one-half percent (1 1/2%) per month on the outstanding delinquent amount to the County after such 30 day period until said delinquent balance is paid in full.

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- 15 5. For this Agreement only, it is agreed that the 16 initial County wholesale water rate will remain in effect for a period of twelve months from the date service is initiated. 17 After the initial twelve month period, County may adjust the 18 wholesale water rate by appropriate action of the York County 19 20 Council.
 - In addition to the monthly water service usage 6. rate, Utility agrees that any future customer within the Water Service Area whose lot is not contiguous to a water main which has been installed as of the date of this Agreement may be required to pay to the County a water connection/tap fee. The County agrees that there will be no County connection fee of any kind assessed to Utility or its



customers for customers taking service from Utility the day County water service is initiated. The County also agrees that all lots within the Water Service Area, contiguous to installed water mains on the day the County initiates water service to the Water Service Area, will be allowed to receive service without having to pay a County connection/tap fee. Exhibit 1, attached hereto and before mentioned, contains descriptions of all Utility owned water mains installed as of the date of this Agreement, as well as describing the Water Service Area.

7. Utility hereby agrees to collect County tap certificates on behalf of the County as specified in Section 2, paragraph 6, herein, and shall remit the fees so collected to the County on a monthly basis. Utility will also collect its Commission-approved water connection fee from all new connections in the Water Service Area. Utility agrees that it will not connect any customer within the Utility's Water Service Area without first determining that such customer has paid(if appropriate) the County water tap fee, in accordance with terms of this Agreement.

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Section 3

Commission Authorizations

I. The parties acknowledge that this Agreement, The Billing Method, Utility's right to charge Utility customers the initial County wholesale rate, and the Utility Water Distribution Charge, must be approved by the South Carolina Public Service Commission (the "Commission").



Utility and County acknowledge that Utility has 2. applied to the Commission for approval of the Water Distribution Charge; approval to charge Utility customers the County's initial wholesale Water Supply Charge, described herein; authorization to place such County charge on Utility customer's water bills as a separate line item; and the Commission determination that any future changes by County of County Water Supply Charge not be subject to Commission It is understood and agreed by both parties to approval. this Agreement that should the Commission fail to approve the items contained herein-above this Agreement may be immediately terminated by Utility and then neither party shall have any further obligation hereunder. The Utility's right to terminate, as defined in this paragraph, is limited to the pending Commission Docket # 92-638 W/S only, and shall not be applicable to future utility proceedings Commission.

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Section 4

Exclusive Supply Commitment and Exclusive Water Service Commitment

During the term of this Agreement, as long as County is able to meet Utility's water needs, Utility agrees to not utilize alternative water supply sources, including the Utility's existing water supply facilities, in order to service its customers within the Water Service Area. However, Utility will retain its existing supply facilities as a back up to be used in the event that the County cannot provide the



necessary and sufficient water supply capacity to meet the service demand requirements of the Water Service Area. The County agrees not to provide water supply or service to any other entity or industry within the Water Service Area.

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Section 5

General Provisions

1. This Agreement shall be executed in counterparts, each of which will be considered an original. This Agreement is binding upon the successors and assignees of the parties hereto. The provisions of this Agreement constitute the entire terms and provisions of this Agreement between the parties hereto, and no amendment or alteration shall be binding unless the party affected thereby shall have executed a written instrument amending the Agreement. Whenever one party gives notice to the other party concerning any of the provisions of this Agreement, such notice shall be given by certified mail, return receipt required. Said notice shall be deemed given when it is deposited in the United States mail with sufficient postage prepaid (notwithstanding that the return receipt is not subsequently received).

CLB.



Notices shall be addressed as follows:

YORK COUNTY
York County Manager

P.O. Box 66
York, S.C. 29745

TEGA CAY WATER SERVICE, INC. 2335 Sanders Road
Northbrook, I1. 60062
Attn: Perry B. Owens,
Chairman & C.E.O.

These addresses may be changed by giving notice as provided for in this paragraph.

- 2. No waiver of breach of any of the terms of this Agreement shall be construed to be a waiver of any succeeding breach.
- 3. Utility hereby indemnifies County from any liability arising out of the distribution and sale of the County supplied water through Utility's mains throughout the Water Service Area, provided that County furnishes potable water to the Utility, which meets all regulatory standards.

Section 6

21 Default

If either party materially fails or defaults in keeping, performing, or abiding by the terms and provisions of this Agreement, then the non-defaulting party shall give written notice to the defaulting party specifying the nature of the default. If the defaulting party does not cure the default within thirty (30) days after the date of written notice,

then this Agreement, at the option of the non-defaulting party, shall terminate. Neither party shall be relieved of liability to the other for damages sustained by virtue of any party wrongfully exercising this provision. This paragraph is not intended to replace any other legal or equitable remedies available to any non-defaulting party under South Carolina law, but it is in addition thereto. Notwithstanding the foregoing, any failure to make timely payments shall be considered a material default under the terms of this Agreement without the necessity for any written notice to Utility.

Section 7

Term

This Agreement shall have a term of twenty (20) years commencing on the date of execution of this Agreement. This Agreement shall not be considered an obligation on the part of the County to perform in any way other than as indicated in this Agreement. The County shall not be obligated under the terms of this Agreement to supply additional water for Utility to areas outside the Water Service Area, unless the County issues written notification that it does not object to such additional service.

Section 8

Force Majeure

1. If, by reason of force majeure, either party hereto shall be rendered unable, in whole or in part, to carry out its obligations under this Agreement, then, and in that



event, said party shall give notice in writing, to the other party, within a reasonable time thereafter, giving the full particulars of such force majeure.

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The obligations of the party so affected shall thereupon be suspended and such suspension shall continue during the period in which such inability continues; provided, however, that the disabled party shall endeavor with all reasonable dispatch, to remove or overcome such inability. Provided further, however, that this Section 8 shall not apply to failures by County or Utility to make payments or credits for services rendered as specified under Section 2 entitled "Water Supply Service."

2. The term "force majeure" as employed herein shall mean acts of God, strikes, lockouts or other industrial disturbances, acts of the public enemy, orders of Commission and courts of this State, orders of any kind of the CL government of the United States of the State of South Carolina, or any military authority, insurrection, riots, epidemics, landslides, earthquakes, fires storms, hurricanes, floods, wash-outs, droughts, arrests and restraints of government and people, civil disturbances, explosions, breakage or damage to machinery, canals, tunnels, or pipelines, partial or entire failure of water system, and inability of County to furnish water hereunder or Utility to receive water hereunder for any reason or cause not reasonably within the control of the party claiming such inability.



Section 9

Miscellaneous Provisions

1. The parties hereto agree that from and after the date of execution hereof, each will, upon the request of the other, execute and deliver such other documents and instruments and take other actions as may be reasonably required to carry out the intent of this Agreement.

2. This Agreement shall be binding upon the heirs, representatives and assigns of the parties hereto and the provisions hereof shall constitute covenants running with the land for the benefit of the heirs, representatives and assigns of the party.

IN WITNESS WHEREOF, the parties hereto have hereunto set their hands and seals the date first above written.

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YORK GOUNTY

CAUNT

COUNCIL OBAITMAN

TEGA CAY WATER SERVICE, INC.

BY David Homans



	Bill Code	September 30, 2004	September 30, 2005	June 29, 2006	Average	Growth Factor
1" Commercial Sewer	48523	2	2	2	2	0
2" Commercial Sewer	48524	33	33	33	33	n v
5/8" Comercial Sewer	48522	7	7	7	7	
5/8" Residential Sewer	48521	1627	1639	1667	1647	0.01
1" Commercial Water	48505	7	7	7	7	0,01
2" Commercial Water	48506	6	6	6	6	0
3" Commercial Water	48507	0	0	n	1	<u> </u>
5/8" Commercial Water	48502	15	15	15	15	0
5/8" Residential Water	48501	1628	1640	1668	1648	0.01
Hydrant Rental	48540	82	82	82	82	V.U1
Hydrant Usage	48541	0	0	<u> </u>	1 02	0
TOTAL ACTIVE UNITS		3407	3431	3487	3447.00	0.0116

TEGA CAY WATER SERVICE, INC. 2006-97-WS PROPOSED RATE OVERVIEW

The state of the s			T			Proposed Increase	
Service Type	Customer Classification	Description	Unit of Measure	Present Charge	Proposed Charge	Amount	% increase
		Single Family home, condo, mobile home		11200111 01111190	r roposed oriange	Amount	/e nici case
5/8" Water	Residential	or apartment unit	per unit	\$7.50	\$8.03	\$0.53	7.07%
		Single Family home, condo, mobile home					7,0170
5/8" Water - Distribution	Residential - Distribution	or apartment unit	Per 1,000 gallons	\$1.69	\$2.07	\$0,38	22.49%
E (ORINAL)		Single Family home, condo, mobile home			77,5		E.E. 70 10
5/8" Water - Pass-Through	Residential	or apartment unit	Per 1,000 gallons	\$3.26	\$3,26	\$0.00	0.00%
5/8" Water	Commercial	Commercial	Per SFE*	\$ 7,50	\$8.03	\$0.53	7.07%
5/8" Water - Distribution	Commercial - Distribution	Commercial	Per 1,000 gallons	\$1.69	\$2.07	\$0,38	22.49%
5/8" Water - Pass-Through	Commercial	Commercial	Per 1,000 gallons	\$3.26	\$3.26	\$0.00	0.00%
	·	Single Family home, condo, mobile					4.44.
1" Water		home, apartment unit, hotels, stores,					
) AAGIGI	Residential/Commercial	restaurants, office, commerical	Per SFE*	\$7,50	\$8.03	\$0.53	7.07%
		Single Family home, condo, mobile			······································		
1" Water - Distribution		home, apartment unit, hotels, stores,					
* VVARCI ~ L/ISU(IDU(ID))	Res/Comm - Distribution	restaurants, office, commerical	Per 1,000 gallons	\$1.69	\$2.07	\$0,38	22,49%
	***	Single Family home, condo, mobile					
1" Mater Deep Through	***	home, apartment unit, hotels, stores,					
1" Water - Pass-Through	Residential/Commercial	restaurants, office, commerical	Per 1,000 gallons	\$3.26	\$3.26	\$0.00	0.00%
	and the second s	Single Family home, condo, mobile			*****		
2º Minton		home, apartment unit, hotels, stores,					
2" Water	Residential/Commercial	restaurants, office, commerical	Per SFE*	\$7,50	\$8.03	\$0.53	7.07%
		Single Family home, condo, mobile			······································		
79 14 (main m. 1752 - 1755 m. 17 m. 1		home, apartment unit, hotels, stores,	1				
2" Water - Distribution	Res/Comm - Distribution	restaurants, office, commerical	Per 1,000 gallons	\$1.69	\$2.07	\$0.38	22.49%
		Single Family home, condo, mobile					
2" Morton Denn Theman		home, apartment unit, hotels, stores,					
2" Water - Pass-Through	Residential/Commercial	restaurants, office, commerical	Per 1,000 gallons	\$3.26	\$3.26	\$0,00	0.00%
	***	Single Family home, condo, mobile					
27 \85-4		home, apartment unit, hotels, stores,	1				
3" Water	Residential/Commercial	restaurants, office, commerical	Per SFE*	\$7,50	\$8,03	\$0.53	7.07%
	equipose and the second	Single Family home, condo, mobile				***************************************	
AR LAS-1 Ph.T. A. or		home, apartment unit, hotels, stores,					
3" Water - Distribution	Res/Comm - Distribution	restaurants, office, commerical	Per 1,000 gallons	\$1.69	\$2,07	\$0.38	22.49%
		Single Family home, condo, mobile					
28 18/mton Dane Theren		home, apartment unit, hotels, stores,		j			
3" Water - Pass-Through	Residential/Commercial	restaurants, office, commerical	Per 1,000 gallons	\$3.26	\$3.26	\$0.00	0.00%
	**	Single Family home, condo, mobile				***************************************	
Marine Dans There is (All A		home, apartment unit, hotels, stores,	Base Charge -		i		
Water - Pass Through (All Areas) Hydrant Rental	Residential/Commercial	restaurants, office, commerical	Variable Rate	Variable Rate	Variable Rate	Varied	Varied
	Hydrant Rental	Hydrant	Per Unit	\$8.33	\$8,33	\$0.00	0.00%
Hydrant Rental - Distribution	Hydrant Rental - Distribution	Hydrant	Per 1,000 gailons	\$ 1.69	\$2.07	\$0.38	22.49%
Hydrant Rental - Pass-Through	Hydrant Rental - Pass-Through	Hydrant	Per 1,000 gallons	\$3.26	\$3.26	\$0.00	0.00%
Nonrecurring Charges - Water	Residential/Commercial	Tap Fee	Per SFE*	\$600.00	\$600.00	\$0,00	0.00%
Nonrecurring Charges - Water	Residential/Commercial	Account Set-up Fee	Per Customer	\$30,00	\$30,00	\$0.00	0.00%
Nonrecurring Charges - Water	Residential/Commercial	Reconnection Fee	Per Occurance	\$40,00	\$40.00	\$0,00	0.00%
Sewer		Single Family home, condo, villa or					
Sewer Sewer	Residential	apartment unit	per unit	\$30.09	\$37,33	\$7.24	24.06%
	Commercial	Commercial	Per SFE*	\$30.09	\$37.33	\$7.24	24.06%
Nonrecurring Charges - Sewer	Residential/Commercial	Sewer Service Connection	Per SFE*	\$1,200.00	\$1,200.00	\$0.00	0.00%
Nonrecurring Charges - Sewer	Residential/Commercial	Account Set-up Fee	Per Customer	\$20.00	\$25,00	\$5.00	25,00%
Nonrecurring Charges - Sewer	Residential/Commercial	Notification fee - service disconnection	Per Occurance	\$15.00	\$15.00	\$0.00	0,00%
Nonrecurring Charges - Sewer	Residential/Commercial	Reconnection w/o elder valve	Per Occurance	\$250.00	\$250.00	\$0.00	0.00%
Nonrecurring Charges - Sewer	Residential/Commercial	Reconnection w/ elder valve	Per Occurance	N/A	N/A	\$0.00	0.00%

Notes:

(1) SFE = Single Family Equivalent

TEGA CAY WATER SERVICE, INC. 2006-97-WS COST IMPACT TO CUSTOMERS IN PASS THROUGH SERVICE AREAS

	(a)	(p)	(c)	(d)	(e)	(f)	(g)	(h)
Line	Sub	Name	Bulk Supplier	Assumed Monthly Consumption	Effective Bulk Rate per 1,000 Gallons	Assumed Monthly Pass Through Amount	Assumed Monthly Distribution Charge	Total Proposed Monthly Assumed Water Bill
(1)	485	Tega Cay	York County	3.000	3.26	9.78	14.24	24.02
(2)	485	Tega Cay	York County	4.000	3.26	13.04	16.31	24.02 29.35
(3)	485	Tega Cay	York County	5.000	3.26	16.30	18.38	29.35 34.68
(4)	485	Tega Cay	York County	6,000	3.26	19.56	20.45	
(5)	485	Tega Cay	York County	7.000	3.26	22.82	22.52	40.01
	485	Tega Cay	York County	8.000	3.26	26.08		45.34
	485	Tega Cay	York County	9,000	3.26	29.34	24.59 26.66	50.67 56.00

Calculation Notes:

⁽¹⁾ Information contained in column (e) was calculated using the effective rates of the existing bulk water supplier. Effective rates does not contain the variable base facility charge of the bulk water supplier. Effective rates does not contain the variable base facility charge of the bulk water supplier. Effective rates does not contain the variable base facility charge of the bulk water supplier. Effective rates does not contain the variable base facility charge of the bulk water supplier. Effective rates does not contain the variable base facility charge of the bulk water supplier. Effective rates does not contain the variable base facility charge of the bulk water supplier. Effective rates does not contain the variable base facility charge of the bulk water supplier. Effective rates does not contain the variable base facility charge of the bulk water supplier. Effective rates does not contain the variable base facility charge of the bulk water supplier. Effective rates does not contain the variable base facility charge of the bulk water supplier. Effective rates does not contain the variable base facility charge of the bulk water supplier. Effective rates does not contain the variable base facility charge of the bulk water supplier. Effective rates does not contain the variable base facility charge of the bulk water supplier. Effective rates does not contain the variable base facility charge of the bulk water supplier. Effective rates does not contain the variable base facility charge of the bulk water supplier. Effective rates does not contain the variable base facility charge of the bulk water supplier. Effective rates does not contain the variable base facility charge of the bulk water supplier.

⁽³⁾ Information contained in column (g) was calculated using the proposed rates from Tega Cay's Application.

Exhibit WJM-11

BEFORE

THE PUBLIC SERVICE COMMISSION OF

SOUTH CAROLINA

DOCKET NO. 96-137-W/S - ORDER NO. 1999-191

MARCH 16, 1999

IN RE:	Application of Tega Cay Water Service, Inc. for Approval of)	ORDER ON REMAND	VIR
	an Increase in Rates and Charges)		
	for Water and Sewer Service.)		

This matter is before the Public Service Commission of South Carolina (the "Commission") pursuant to the Order of the Honorable James R. Barber, III, dated September 25, 1998, ("Order"), which reversed Commission Order Nos. 96-879 and 97-126 in part and remanded the case with instructions "to set rates that allow TCWS [Tega Cay Water Service, Inc.] the opportunity to earn a fair and reasonable rate of return in accordance with the applicable constitutional and statutory standards ... and with the substantial evidence of record." Order, p. 9. In setting these rates, the Commission was also directed not to rely on the following improper considerations: unsubstantiated customer complaints regarding the quality of service provided by TCWS; comparisons of TCWS's rates with those of other regulated utilities; and a proposed management audit of TCWS's parent company.

Based upon the directives' of the Circuit Court as contained in Judge Barber's Order and the evidence of record, the Commission finds that a reasonable operating margin that TCWS should have the opportunity to earn is 12.72%. As noted in Judge Barber's Order, the only testimony before the Commission as to a reasonable rate of return for the company was that of TCWS's financial witness, Patricia Cuddie, who testified that a fair and reasonable operating

margin for TCWS is 12.72% and a reasonable return on rate base is 9.62%. Order at 2, 6. In addition, no other evidence of a reasonable operating margin or rate of return was presented. <u>Id.</u> at 2.

TCWS witness Cuddie, a Certified Public Accountant, has been employed by Utilities, Inc. since 1990. During that time she has been involved in rate cases in several jurisdictions and testified before the Commissions in South Carolina, North Carolina, Florida, and Illinois. Her previous employment experience includes approximately two years of public accounting and six years of regional and corporate finance. She testified that a reasonable rate of return on TCWS's investment is a 9.62% rate of return on rate base and an operating margin of 12.72%. No other testimony of a reasonable rate of return was presented to the Commission.

By statute, the Commission's determination of a fair rate of return must be documented fully in its findings of fact and must be based exclusively on reliable, probative, and substantial evidence on the whole record. S.C. Code Ann. § 58-5-240 (H)(Supp. 1998). The South Carolina Supreme Court has recently held that, before the Commission may adopt a rate of return that has not been recommended by any of the expert witnesses, a reasonable explanation for such a conclusion must be given. Porter v. South Carolina Pub. Serv. Comm'n, ___ S.C. ___, 504 S.E.2d 320 (1998); Porter v. South Carolina Pub. Serv. Comm'n, Op. No. 24847 (S.C. Sup. Ct. filed October 26, 1998). Because the only testimony before the Commission was that a reasonable operating margin for TCWS is 12.72% and as the Commission's prior explanations for setting a lower operating margin were determined by Judge Barber to be improper, the Commission finds that 12.72% constitutes a reasonable operating margin.

Based upon a fair and reasonable operating margin of 12.72%, TCWS is entitled to an increase in its rates and charges for water and sewer operations. The Commission finds that rates and charges depicted in Appendix A, attached hereto and incorporated herein by reference, should be sufficient to allow TCWS an opportunity to earn a 12.72% operating margin. Under the directives from the Circuit Court as contained in Judge Barber's Order, the Commission finds that these rates and charges, as contained in Appendix A, are just and reasonable.

THE PROPERTY

Pursuant to S.C. Code Ann. §58-5-240(D)(Supp. 1997), TCWS has placed into effect under bond the full rate increase requested in this docket. In Order No. 97-643, dated July 30, 1997, the Commission approved a surety bond proposed by TCWS for that purpose. The effect of this Order on Remand will be to approve a rate increase less than that requested by TCWS and placed under bond. Accordingly, upon this Order on Remand becoming final, it will be necessary that TCWS refund the difference between the rates placed into effect under bond and the rates determined to be just and reasonable by this Order on Remand. Further, as provided by S.C. Code Ann. §58-5-240(D)(Supp. 1998), refunds shall bear interest at the rate of twelve percent (12%) per annum. Upon making these refunds, TCWS shall provide to the Commission Staff records or other evidence of payments made by TCWS customers of the rates paid under bonds as required by S.C. Code Ann. §58-5-240(D)(Supp. 1998) as well as evidence or records regarding the refunds so that Staff may verify the refunds.

IT IS THEREFORE ORDERED THAT:

 The schedule of rates and charges attached hereto as Appendix A is hereby approved for TCWS.

- 2. Upon this Order on Remand becoming final, any amounts collected by TCWS under bond that exceed the rates and charges in Appendix A shall be refunded with interest at the rate of twelve percent (12%) per annum. As provided by S.C. Code Ann. §58-5-240(D)(Supp. 1998), interest shall commence on the date the disallowed increase is paid and continue until the date the refund is made.
- 3. TCWS shall provide documentation of the refunds to the Commission Staff. Said documentation shall include records or other evidence of payments made by its customers of the rates under bond, as required by S.C. Code Ann. §58-5-240 (Supp. 1998), and the records of refunds paid by TCWS. The Commission Staff will verify that refunds are made in accordance with S.C. Code Ann. §58-5-240(D) (Supp. 1998) and with this Order on Remand.
- 4. This Order on Remand shall remain in full force and effect until further Order of this Commission.

BY ORDER OF THE COMMISSION:

Chairman

ATTEST:

May 5 Nall

(SEAL)

APPENDIX A

TEGA CAY WATER SERVICE, INC. 5701 WEST PARK DR. SUITE 101 PO BOX 240705 CHARLOTTE, NC 28224-0705 PHONE NO. 704-525-7990

DOCKET NO. 96-137-W/S - ORDER NO. 1999-191

SCHEDULE OF RATES AND CHARGES

EFFECTIVE DATE March 16, 1999

I. WATER

1. CHARGE FOR WATER DISTRIBUTION ONLY

Where water is purchased from a government body or agency or other entity for distribution by the Company, the following rates apply:

a. Basic Facility Charge

\$7.50 per single - family equivalent unit

PLUS

b. Commodity Charge: (Usage)

\$1.69 per 1,000 gallons

The Utility will also charge for the cost of water supplied by the government body or agency, or other entity. The charges imposed or charged by the government body or agency, or other entity providing water will be charged to the Utility's affected customers on a pro rata basis without markup.

c. The basic facility charge is a minimum charge per unit and shall apply even if the equivalency rating is less than one (1). If the equivalency rating is greater than one (1), then the monthly basic facility charge may be obtained by multiplying the equivalency rating by the basic facility charge of \$7.50.

When, because of the method of water line installation utilized by the developer or owner, it is impractical to meter each unit separately, service will be provided through a single meter. Consumption of all units served through such meter will be averaged; a bill will be calculated based on that average plus the addition of the basic

facility charge per unit and the result multiplied by the number of units served by a single meter.

2. NON RECURRING CHARGES

a. Tap fee (which includes a water service connection charge and capacity fee)

\$600.00 per single - family equivalent unit ***

The non recurring charges listed above are minimum charges and apply even if the equivalency is less than one. If the equivalency rating is greater than one (1), then the proper charge may be obtained by multiplying the equivalency rating by the appropriate fee. These charges apply and are due at the time new service is applied for and/or initial connection to the water system is requested.

(***Unless prohibited by contract approved by South Carolina Public Service Commission.)

3. RECONNECTION AND ACCOUNT SET-UP CHARGES

a. Water reconnection fee

\$40.00

b. Customer account charges
(One-time fee to be charged
to each new account to defray
cost of initiating service)

\$30.00

4. OTHER SERVICES

Fire Hydrant - One Hundred (\$100.00) per hydrant per year for water service payable in advance. Any water used should be metered and the commodity charge in Section One (1) or Two (2) above will apply to such usage.

II. SEWER

1. MONTHLY CHARGES

Page 3

a. Residential - Monthly Charge \$30.09 per single-family house, condominium, villa, or apartment unit

b. Commercial - Monthly Charge per single-family equivalent

\$30.09

c. The monthly charges listed above are minimum charges and shall apply even if the equivalency is less than one (1). If the equivalency is greater than one (1), then the monthly charges may be calculated by multiplying the equivalency rating by the monthly charge of \$30.09.

2. NON RECURRING CHARGES

a. Tap fees (which includes sewer service connection charges and capacity charges)

\$1,200.00 per single - family equivalent unit ***

b. The non recurring charges listed above are minimum charges and apply even if the equivalency rating of a non residential customer is less than one (1). If the equivalency rating is greater than one (1), then the proper charge may be obtained by multiplying the equivalency rating by the appropriate fee. These charges apply and are due at the time new service is applied for, or at the time connection to the sewer system is requested.

(***Unless prohibited by contract approved by South Carolina Public Service Commission.)

3. NOTIFICATION, ACCOUNT SET-UP AND RECONNECTION CHARGES

- a. Notification Fee: A fee of \$15.00 shall be charged each customer to whom the Utility mails the notice as required by Commission Rule R.103-535.1 prior to service being discontinued. This fee assesses a portion of the clerical and mailing costs of such notices to the customers creating the cost.
- b. Customer Account Charge: A fee of \$20.00 shall be charged as a one-time fee to defray the costs of initiating service. This charge will be waived if the customer is also a water customer.
- c. Reconnection Charges: In addition to any other charges that may be due, a reconnection fee of \$250.00 shall be due prior to the Utility reconnecting service which has been disconnected for any reason set forth in Commission Rule

R.103-532.4. The amount of the reconnection fee shall be in accordance with R.103-532.4 and shall be changed to conform with said rule, as the rule is amended from time to time.

III. GENERAL PROVISIONS

1. BILLING CYCLE

Recurring charges will be billed monthly or bi-monthly in arrears. Non recurring charges may be billed and collected in advance of service being provided.

2. LATE PAYMENT CHARGES

Any balance unpaid within twenty-five (25) days of the billing date shall be assessed a late payment charge of one and one-half percent (1 2%) for each month (or any part of a month) that said payment remains unpaid.

3. TAX MULTIPLIER

Except as otherwise provided by contract approved by the South Carolina Public Service Commission, amounts paid or transferred to the Utility by customers, builders, developers or others, either in the form of cash or property, shall be increased by a cash payment in an amount equal to the income taxes owed on the cash or property transferred to the utility by customers, builders, developers, or others, and properly classified as a contribution or advance in aid of construction in accordance with the uniform system of accounts. Included in this classification are tap fees.

4. TOXIC AND PRETREATMENT EFFLUENT GUIDELINES

The Utility will not accept or treat any substance or material that has been defined by the United States Environmental Protection Agency ("EPA") or the South Carolina Department of Health and Environmental Control ("DHEC") as a toxic pollutant, hazardous waste, or hazardous substance, including pollutants falling within the provisions of 40 CFR 129.4 and 401.15. Additionally, pollutants or pollutant properties subject to 40 CFR 403.5 and 403.6 are to be processed according to the pretreatment standards applicable to such pollutants or pollutant properties, and such standards constitute the Utility's minimum pretreatment standards. Any person or entity introducing any such prohibited or untreated materials into the Company's sewer system may have service interrupted without notice until such discharges cease, and shall be liable to the Utility for all damages and costs, including reasonable attorney's fees, incurred by the Utility as a result thereof.

LANDLORD/TENANT RELATIONSHIP

In the case of landlord/tenant relationship where the tenant is the customer, the Utility may require the landlord to execute an agreement wherein such landlord agrees to be responsible for all charges billed to the premises in accordance with the approved tariffs and the Rules of the Commission, and said account shall be considered the landlord's and tenant's account. In the event the landlord refuses to execute such an agreement, the Utility may not discontinue service to the premises unless and until the tenant becomes delinquent on his account or until the premises are vacated. The Utility may discontinue service pursuant to R.103.535.1 if the account is delinquent or may discontinue service at the time the premises are vacated, and the Utility shall not be required to furnish service thereafter to the premises until the landlord has executed the agreement, and paid the reconnection charges.

6. CONSTRUCTION STANDARDS

The Utility requires all construction to be performed in accordance with generally accepted engineering standards, at a minimum. The Utility from time to time may require that more stringent construction standards be followed in constructing parts of the water or sewer systems.

7. <u>SINGLE FAMILY EQUIVALENT</u>

The list set forth below establishes the minimum equivalency rating for commercial customers applying for or receiving sewer service from the Utility. Where the Utility has reason to suspect that a person or entity is exceeding design loading established by the South Carolina Pollution Control Authority in a publication called "Guidelines for Unit Contributory Loading to Wastewater Treatment Facilities" (1972), as may be amended from time to time or as may be set forth in any successor publication, the Utility shall have the right to request and receive water usage records from the provider of water to such person or entity. Also, the Utility shall have the right to conduct an "on premises" inspection of the customer's premises. If it is determined that the actual flows or loadings are greater than the design flows or loadings, then the Utility shall recalculate the customer's equivalency rating based on actual flows or loadings and thereafter bill for its service in accordance with such recalculated loading.

	TYPE OF ESTABLISHMENT	EQUIVALENCY RATING	
1.	Airport (a) Each Employee (b) Each Passenger		25 125
2.	Apartments	1.0)
3.	Bars (a) Each Employee (b) Each Seat (Excluding Restaurant)		25
4.	Boarding House (Per Resident)		25
5.	Bowling Alley (a) Per Lane (No Restaurant) (b) Additional for Bars and Cocktail Lounge (Per Seat or Person)	S	125
6.	Camps (a) Resort (Luxury) (Per Person) (b) Summer (Per Person) (c) Day (With Central Bathhouse) (Per Perso (d) Per Travel Trailer Site	n)	5 25 375 375
7.	Churches	(Per Se	eat)

APPENDIX A - TEGA CAY WATER SERVICE, INC. DOCKET NO. 96-137-W/S - ORDER NO. 1999-191 Page 7

8.	Clinics (a) Per Staff	.0375
	(b) Per Patient	.0125
9.	Country Club (Each Member)	.125
10.	Factories (a) Each Employee (No Showers)	.0625 .0875 .1
11.	Fairgrounds (Per Person Based on Average Attendance)	.0125
12.	Food Service Operations (a) Ordinary Restaurant (Up to 12 Hours) (Per Seat)	.175 .25 .25 .175
13.	Hospitals (a) Per Bed (b) Per Resident Staff	.5 .25
14.	Hotels (Per Bedroom - No Restaurant)	.25
15.	Institutions (Per Resident)	.25
16.	Laundries (Self Service - Per Machine)	1.0
17.	Mobile Homes	1.0
18.	Motels (Per Unit - No Restaurant)	.25
19.	Nursing Homes (a) Per Bed (No Laundry) (b) Per Bed (With Laundry)	.25 .375
20.	Offices (Per Person - No Restaurant)	.0625
21.	Picnic Parks (Average Daily Attendance) (Per Person)	.025
22.	Residences (Single Family)	1.0

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23.	Rest Homes (a) Per Bed (No Laundry) (b) Per Bed (with Laundry)	.25 .375
24.	Schools (a) Per Person (No Showers, Gym, Cafeteria) (b) Per Person With Cafeteria (No Gym, Shower) (c) Per Person With Cafeteria, Gym & Shower	.025 .0375 .05
25.	Service Stations (a) Each Car Served (Per Day)	.025 .1875 2.5 1.25
26.	Shopping Centers (Per 1,000 sq. ft. Space - No Restaurants)	.5
27.	Stadiums (Per Seat - No Restaurants)	.005
28.	Swimming Pools (Per Person - With Sanitary Facilities and Showers).	.025
29.	Theatres (a) Drive in (Per Stall) (b) Indoor (Per Seat)	.0125 .0125

BEFORE

THE PUBLIC SERVICE COMMISSION OF

SOUTH CAROLINA

DOCKET NO. 96-137-W/S - ORDER NO. 1999-547

AUGUST 4, 1999

IN RE:	Application of Tega Cay Water Service, Inc.)	ORDER ON	1 pr
	for Approval of an Increase in Rates and)	DISPOSITION	OF
	Charges for Water and Sewer Service.)	UNCLAIMED	REFUNDS

By letter dated June 24, 1999, Tega Cay Water Service, Inc. ("TCWS") filed a letter with the Public Service Commission of South Carolina ("Commission") in which TCWS informed the Commission that it had completed refunds required under Order No. 1999-191. TCWS further advised the Commission that the refunds totaled \$105,019.10 and were posted on April bills, which were mailed on May 7, 1999.

TCWS also advised the Commission that of the total refund amount that \$10,822.92 was posted to the inactive accounts of customers who are no longer served by TCWS. According to TCWS, approximately 350 inactive accounts exist. TCWS also requested that it be allowed to transfer the \$10,822.92 belonging to the inactive accounts to the account of contributions in aid of construction ("CIAC") for the benefit of existing TCWS customers.

The Consumer Advocate for the State of South Carolina ("Consumer Advocate") filed a letter with the Commission opposing the treatment of the monies due inactive accounts advanced by TCWS. The Consumer advocate proposed that the monies due inactive accounts be sent to those customers in a refund check, if the customers can be

reasonably located. In the event the customers cannot be located, the Consumer Advocate proposed that the remaining balance should be returned directly to existing customers via a bill credit. The City of Tega Cay, a party in this docket, filed a letter in support of the Consumer advocate's proposal.

Upon consideration of the request of TCWS as to the disposition of the monies due inactive accounts on the TCWS system, the Commission is advised of the "Uniform Unclaimed Property Act" and in particular S.C. Code Ann. Section 27-18-90(B) (1991) which provides as follows:

any sum which a utility has been ordered to refund and which was received for utility services rendered in this State, together with any interest thereon, less any lawful charges, that has remained unclaimed by the person appearing on the records of the utility entitled thereto for more than five years after the date it became payable in accordance with the final determination or order providing for the refund is presumed abandoned.

Further, S.C. Code Ann. Section 27-18-40 (1991) provides in relevant part that

...intangible property is subject to the custody of this State as unclaimed property if the conditions raising a presumption of abandonment under Sections 27-18-30 and 27-18-60 through 27-18-170 are satisfied

The Commission finds that the Uniform Unclaimed Property Act governs the disposition of any refund money which has not been claimed. Therefore, based upon the provisions of the Uniform Unclaimed Property Act, the Commission concludes that it cannot grant either the treatment requested by TCWS or the treatment proposed by the Consumer Advocate and endorsed by the City of Tega Cay.

IT IS THEREFORE ORDERED THAT:

- The request of TCWS that it be allowed to transfer the refund monies due inactive accounts to the account of contributions in aid of construction ("CIAC") for the benefit of existing TCWS customers is denied.
- The proposal of the Consumer Advocate that any remaining balance of monies due inactive accounts be returned directly to existing customers via a bill credit is also denied.
- 3. In handling the monies due inactive accounts, TCWS is directed to comply with all applicable state laws, in particular the Uniform Unclaimed Property Act found at S.C. Code Ann. Section 27-18-10 et seq. TCWS is further directed to comply with the reporting and notice requirements of the Uniform Unclaimed Property Act.
- 4. TCWS shall provide notice to the Commission upon payment or delivery by TCWS of the monies due inactive accounts to the administrator (i.e. the State Treasurer, his agents, or representatives) under the Uniform Unclaimed Property Act.

		TOTO CONTRACTOR AND

This Order shall remain in full force and effect until further Order of the
 Commission.

BY ORDER OF THE COMMISSION:

Lhip T. Morolly

ATTEST:

Executive Director

(SEAL)

BEFORE

THE PUBLIC SERVICE COMMISSION OF SOUTH CAROLINA

DOCKET NO. 96-137-W/S - ORDER NO. 1999-733

OCTOBER 18, 1999

IN RE:	Application of Tega Cay Water Service, Inc. for Approval of an Increase in Rates and)	ORDER ON	1 MR
	Charges for Water and Sewer Service.)	CLARIFICAT	ION

This matter comes before the Public Service Commission of South Carolina ("Commission") on the Petition for Clarification or Reconsideration filed by the Consumer Advocate for the State of South Carolina ("Consumer Advocate"). By its Petition, the Consumer Advocate requests that the Commission either clarify or reconsider Order No. 1999-547, dated August 4, 1999, to define the responsibility of Tega Cay Water Service, Inc. ("TCWS") as to locating former customers who are due refunds.

In Order No. 1999-547, the Commission ruled on the disposition of unclaimed refunds which had been required under Order No. 1999-191. *Inter alia* Order No. 1999-191 required TCWS to make refunds to customers of charges collected by TCWS under bond during the appeal of the rate case in this docket. Subsequently, TCWS informed the Commission that it had completed refunds as required by Order No. 1999-191 but also informed the Commission that \$10,822.92 was posted to inactive accounts. TCWS requested that it be allowed to transfer this \$10,822.92 belonging to inactive accounts to the account of contributions in aid of construction ("CIAC"). The Consumer Advocate, as

well as the City of Tega Cay, filed a letter opposing TCWS's proposed treatment of the unclaimed refunds. In Order No. 1999-547, the Commission found that the disposition of the unclaimed refunds was controlled by the Uniform Unclaimed Property Act ("UUPA"). The Commission further found that TCWS's request to treat the unclaimed refunds as CIAC could not be approved and that the Consumer Advocate's request to return the unclaimed refunds to existing customers could not be granted.

By its Petition, the Consumer Advocate notes that under the terms of the UUPA, TCWS will hold the unclaimed refunds for five years before turning the funds over to the state treasurer's office as abandoned property. The Consumer Advocate seeks clarification, or in the alternative reconsideration, as to the responsibility of TCWS during that period as to locating former customers who are due refunds. The Consumer Advocate requests that TCWS be required to take reasonable steps to locate those persons to whom refunds are due and to report the results of its efforts to locate those persons to the Commission. The City of Tega Cay filed a letter in support of the Consumer Advocate's Petition.

Upon consideration of this matter, the Commission finds the Petition of the Consumer Advocate reasonable and grants clarification of Order No. 1999-547. The Commission hereby grants clarification of Order No. 1999-547 to require TCWS to take reasonable steps to locate those persons to whom refunds are due pursuant to Order No. 1999-191. The Commission directs TCWS to use reasonable means to locate these former customers, including but not limited to obtaining forwarding addresses from the United States Post Office as well as forwarding addresses from the City of Tega Cay.

Further, TCWS shall report to the Commission its efforts undertaken to locating these former customers as well as the results of those efforts.

IT IS THEREFORE ORDERED THAT:

- 1. The Consumer Advocate's request for clarification of Order No. 1999-547 is granted.
- 2. TCWS shall use reasonable means to locate the former customers to whom refunds are due, including but not limited to obtaining forwarding addresses from the United States Post Office as well as forwarding addresses from the City of Tega Cay.
- 3. TCWS shall report to the Commission its efforts undertaken in locating these former customers and shall report the results of those efforts.
- 4. This Order shall remain in full force and effect until further Order of the Commission.

BY ORDER OF THE COMMISSION:

Chairman/

ATTEST:

Executive Director

(SEAL)